

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Rugged and durable housing with IP66 rating
- Quick and easy installation with hinged two-piece enclosure
- Available with Avi-on wireless fixture control
- Made Right Here® in the USA



## SPECIFICATIONS

- HOUSING** – Two-piece hinged die-cast aluminum enclosure.
- THERMAL MANAGEMENT** – Integral die-cast aluminum heat sink and LED module provide passive thermal management. Rated ambient operating temperature -30°C to 50°C (L30), -30°C to 40°C (L65, L100).
- OPTICAL SYSTEM** – Precision, injection-molded, refractive optics available in standard IES distributions. Clear tempered glass lens.
- LED MODULE** – ANSI 3000K, 4000K, or 5000K CCT, minimum 70 CRI LEDs.
- LED DRIVER** – Class 1 constant-current driver, 0-10V dimming.
- ELECTRICAL** – 120-277, 347, and 480 VAC input range; 50-60Hz; power factor >.90; THD <20% at full load. FCC Class A compliant. 10kA/10kV surge protection standard. Quick-disconnect wiring provided. L70 >60,000 hours per IES TM-21. Conduit/power entry must be sealed to prevent moisture or water intrusion.
- FINISH** – Super durable polyester powder coat bonded to phosphate-free, multi-stage pretreated metal, meets and exceeds AAMA 2604 specifications for outdoor durability.
- MOUNTING** – Surface or pendant mount. Maximum weight: 25 lbs.
- LISTINGS** –
  - cCSAus certified as luminaire suitable for wet locations. Suitable for dry or damp locations when specified with PM mounting configuration.
  - IP66 rated.
  - Meets the American National Standard for Roadway Lighting Equipment – Luminaire Vibration (ANSI C136.31-2001), CT direct surface mounting configuration only.
  - IDA Dark-Sky approved.
  - RoHS compliant.
  - BUG classified per IES TM-15-11.
  - Complies with the Buy American Act and other federal regulations. Request certification at [hew.com/baa](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).



**ORDERING EXAMPLE:** VG1 - L110/740 - T5 - SM - DBZ - OPTIONS - CONTROL/DIM - UNV

## ORDERING INFO

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	DISTRIBUTION <sup>[2]</sup>
VG1	L30 3,000lm	70	30 3000K	T3 Type III
	L65 6,500lm		40 4000K	T5 Type V
	L110 11,000lm		50 5000K	TFL Type Flood

## MOUNTING CONFIGURATION <sup>[3]</sup>

<b>SM</b>	Surface mount to 4" maximum J-box (by others) <sup>[5]</sup>
<b>PM</b>	Rigid pendant mount (pendant by others) with counter weights included
<b>CT</b>	Closed top for direct surface mounting <sup>[6]</sup>

## FINISH OPTIONS <sup>[4]</sup>

<b>BLK</b>	Black (RAL #9004)
<b>DBZ</b>	Dark bronze
<b>DBR</b>	Medium bronze
<b>GRAY</b>	Standard gray
<b>GRN</b>	Green (RAL #6005)
<b>SLV</b>	Satin aluminum (RAL #9006)
<b>WHT</b>	White (RAL #9003)

## OPTIONS

<b>SF</b>	Single fuse <sup>[8]</sup>
<b>DF</b>	Double fuse <sup>[9]</sup>
<b>WG</b>	Wireguard, chrome, <sup>[10]</sup>
<b>EM/6WC</b>	6-watt emergency, low temperature battery <sup>[11]</sup>
<b>EM/10CEC</b>	10-watt emergency CEC qualified battery <sup>[12]</sup>
<b>WG-VG</b>	Wireguard kit, chrome, field-installed, (4) 10-24 screws included <sup>[13]</sup>
<b>PMVG_ _ _ _</b>	Rigid pendant stem and canopy kit <sup>[14]</sup>

## CONTROL <sup>[7]</sup>

<b>—</b>	None
<b>AVI-IFAC-OA</b>	Avi-on wireless fixture control with outdoor antenna
<b>AVI-IFAC-OA-PIR</b>	Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount with outdoor antenna

## DRIVER

<b>DIM</b>	Driver with external dimming wires prewired for 0-10V low voltage applications
<b>DRV</b>	Driver without external dimming wires prewired for non-dimming applications

## VOLTAGE

<b>120</b>	120V
<b>208</b>	208V
<b>240</b>	240V
<b>277</b>	277V
<b>UNV</b>	120-277V
<b>347</b>	347V <sup>[15]</sup>
<b>480</b>	480V <sup>[16]</sup>

## NOTES

- Lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- See page 2 for DISTRIBUTION DETAILS.
- See page 3 for MOUNTING DETAILS.
- See page 2 for FINISH OPTIONS.
- Two 1/2" NPS threaded and plugged conduit side entry points provided.
- Two 1/2" NPS threaded and plugged conduit side entry points provided.
- See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 5 for ADDITIONAL CONTROL OPTIONS. See page 3 for SENSOR PLACEMENT DETAILS.
- 120V, 277V, or 347V only; must specify voltage.
- 208V, 240V, or 480V only; must specify voltage.
- Factory-installed.
- Not available with L110 lumen package; 38°C maximum ambient temperature; 120-277V only.
- Not available with L110 lumen package; 40°C maximum ambient temperature; 120-277V only. Not available with Avi-on controls.
- See page 3 for OPTIONS DETAILS.
- See page 3 for OPTIONS DETAILS.
- Includes stepdown transformer. Not available with Avi-on Controls.
- Includes stepdown transformer. Not available with Avi-on Controls.

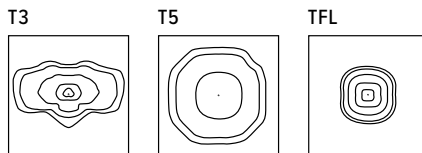


## FIXTURE PERFORMANCE DATA

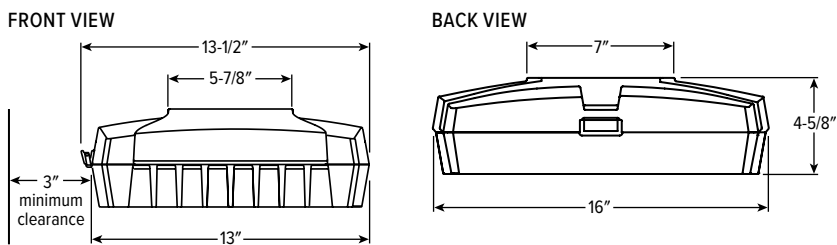
	DISTRIBUTION	CCT	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)	BUG RATING
L30	Type III	3000	3479	36	97	B2-U0-G2
		4000	3780		105	
		5000	3795		105	
	Type V	3000	3387		94	B3-U0-G2
		4000	3566		99	
		5000	3729		104	
	Type FL	3000	3748		104	B3-U0-G1
		4000	4009		111	
		5000	4110		114	
L65	Type III	3000	6959	69	101	B2-U0-G2
		4000	7560		110	
		5000	7590		110	
	Type V	3000	6773		98	B3-U0-G2
		4000	7131		103	
		5000	7459		108	
	Type FL	3000	7496		109	B3-U0-G1
		4000	8018		116	
		5000	8219		119	
L110	Type III	3000	10438	104	100	B2-U0-G2
		4000	11340		109	
		5000	11386		109	
	Type V	3000	10160		98	B3-U0-G2
		4000	10697		103	
		5000	11188		108	
	Type FL	3000	11244		108	B3-U0-G1
		4000	12027		116	
		5000	12329		119	

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277 input.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.

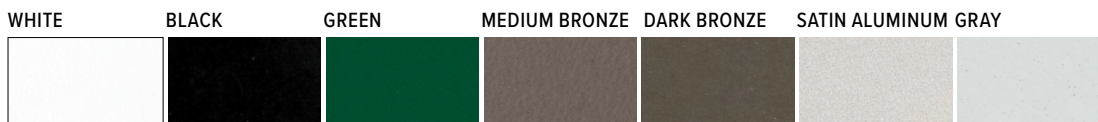
## DISTRIBUTION DETAILS



## CROSS SECTIONS



## FINISH OPTIONS

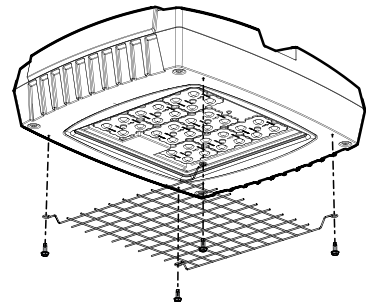


For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

OPTIONS DETAILS

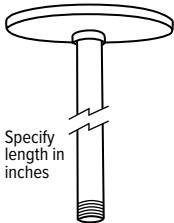
WG-VG

- Field-installed wireguard kit provided with:
- 10-3/8" x 11-1/2" chrome wireguard
  - (4) 10-24 screws



(Fixture Not Included)

PMVG



- Rigid pendant stem and canopy kit provided with:
- 1/2" IP stem, specify length
  - 1/2" IP crossbar with ground screw
  - ø5" canopy, 7/8" deep
  - (1) 1/2" IP locknuts
  - 1/2" bushing/reducer

- Notes:
- 4" maximum octagon J-box by others.
  - Suitable for dry or damp locations.

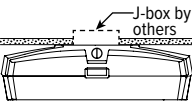
EXAMPLE: PMVG12 - DBR		
SERIES	LENGTH	FINISH OPTIONS
PMVG	Specify length in inches, 6" minimum, 96" maximum.  Example: 20 = 20"	<b>BLK</b> Black (RAL #9004)
		<b>DBZ</b> Dark bronze
		<b>DBR</b> Medium bronze
		<b>GRAY</b> Standard gray
		<b>GRN</b> Green (RAL #6005)
		<b>SLV</b> Satin aluminum (RAL #9006)
		<b>WHT</b> White (RAL #9003)
For custom color options, visit the VG1 at <a href="http://hew.com">hew.com</a> .		

MOUNTING DETAILS

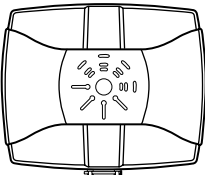
SM

Weight: 22 Lbs.

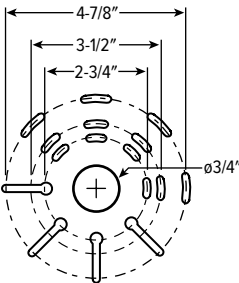
Side View



Top View



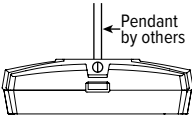
Bolt Pattern Detail



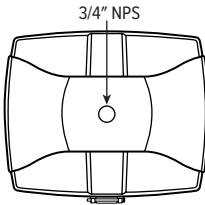
PM

Weight: 25 Lbs.

Side View



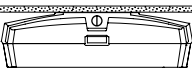
Top View



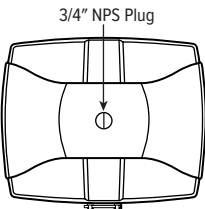
CT

Weight: 22 Lbs.

Side View

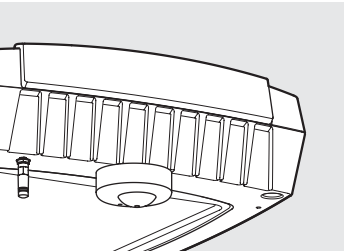


Top View

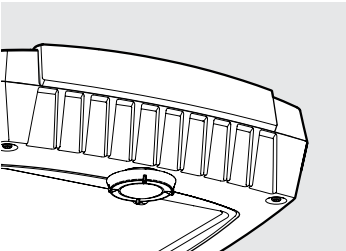


SENSOR PLACEMENT DETAILS

AVI-IFAC-OA-PIR



WS-FSP



## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### FEATURES

#### Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

#### Scalable

- Virtually unlimited network size
- Spans small areas to large garages
- Flexible control strategies

#### Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

### DIGITAL INSTALLATION TOOLS

Avi-On mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

### SYSTEM COMPONENTS



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### ACCESSORIES

NETWORK	
AVI-RAB-LTE	Remote access bridge – LTE connection
AVI-2001RAB-01-C	Remote access bridge – Wifi connection
AVI-KIT-NTM	Network time manager with battery backup

For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)

### AVI-IFAC-OA-PIR Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount with outdoor antenna.

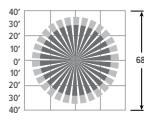
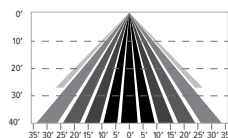
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-On wireless fixture controls plus desktop and mobile apps
MANUFACTURER	Avi-On



### SENSOR COVERAGE PATTERNS

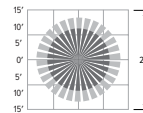
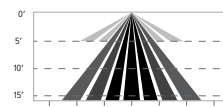
#### Large motion

45' height: ø68' coverage



#### Small motion

20' height: ø28' coverage



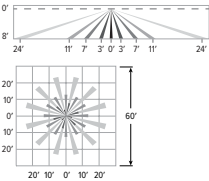
ADDITIONAL CONTROL OPTIONS

OCCWS-FSP-311-L\_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2 or L3. Factory installed.

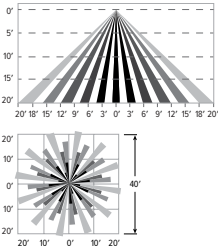
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 20'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS

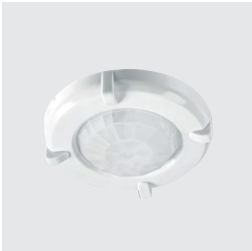
L2 8' height: ø48' coverage



L3 20' height: ø40' coverage



SENSOR DETAIL



Dimensions: ø2-3/8"